TAFMER™ A-4085S

Mitsui Chemicals America, Inc. - *Polyalphaolefin*

General Information

General	
Material Status	• Commercial: Active
Availability	• North America
Features	• Good Flexibility
Forms	• Pellets

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.885	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	3.6	g/10 min	
230°C/2.16 kg	6.7	g/10 min	
Mooney Viscosity (ML 1+4)	16	MU	JIS K6395
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	> 3190	psi	ASTM D638
Tensile Elongation (Break)	> 1000	%	ASTM D638
Torsional Rigidity	1305	psi	ASTM D1043
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	86		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	< -94.0	°F	ASTM D746
Vicat Softening Temperature	131	°F	ASTM D1525
Melting Temperature	151	°F	ASTM D2117
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	> 1.0E+17	ohms·cm	ASTM D257
Dielectric Constant	2.20 to 2.40		ASTM D150
Dissipation Factor	< 5.0E-4		ASTM D150

Notes

[1] Typical properties: these are not to be construed as specifications.